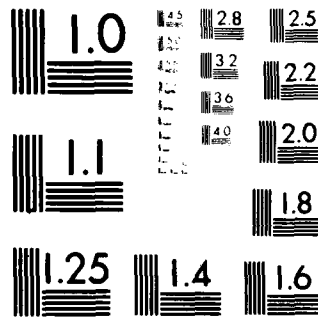


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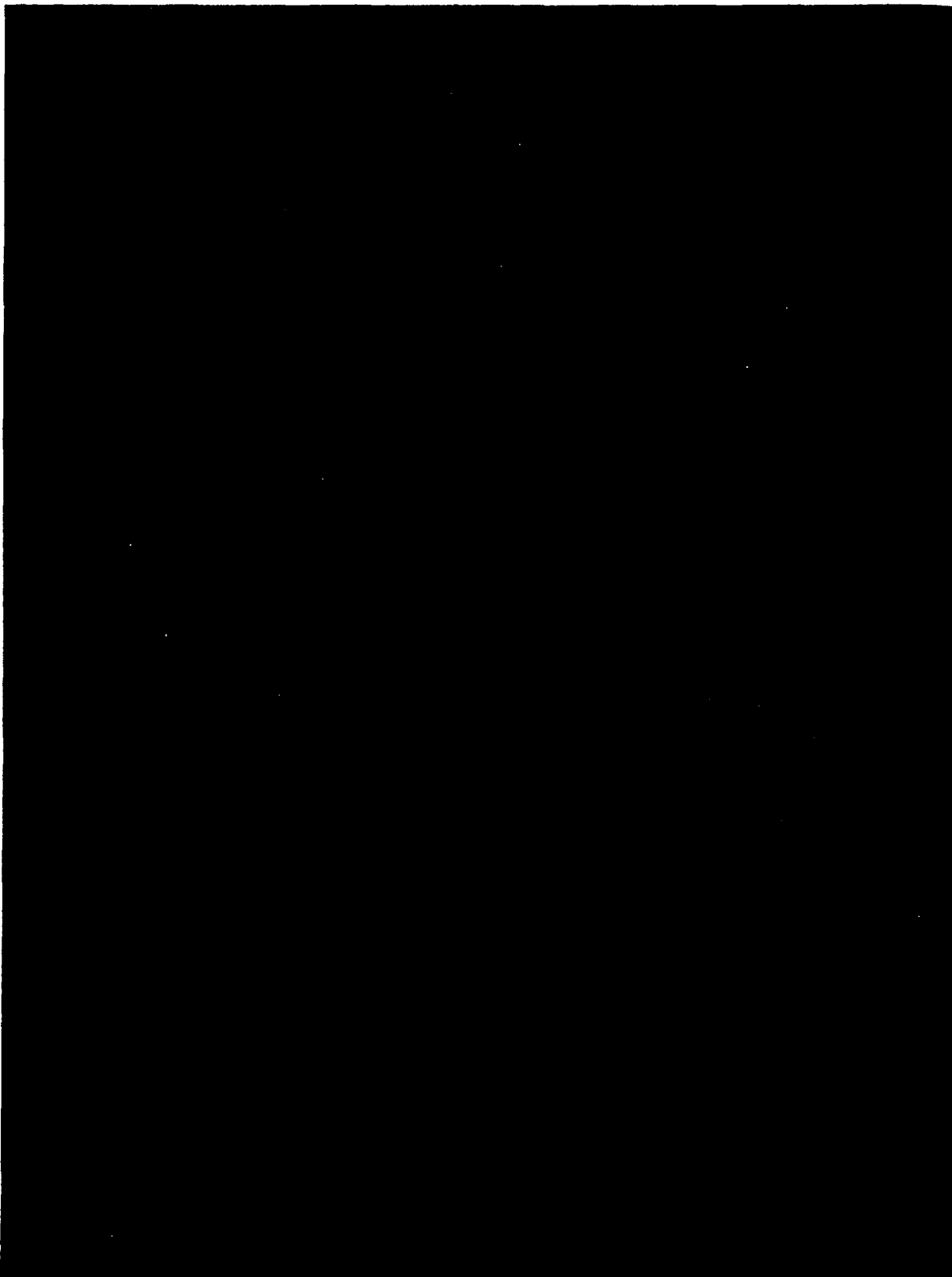
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Meteorological data gathered for the launching of 19309B MLRS, Missile Number 1100, Round Number V-120 are presented in tabular form.		

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INTRODUCTION

193098 MLRS, Missile Number 1100, Round Number V-120
 , was launched from LC-39, White Sands Missile Range (WSMR),
New Mexico, at 1515:01 MST, 13 February 1980.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

(1) Standard surface observations to include pressure, temperature ($^{\circ}\text{F}$), relative humidity, dew point ($^{\circ}\text{F}$), wind direction and speed, and cloud cover were made at the "C" Station Met Site.

(2) Monitor of wind speed and direction from one anemometer was provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

SITE AND ALTITUDE

NICK 2km
LC-39 2km

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

SITE AND TIME

LC-37 1400 MST
LC-37 1600 MST

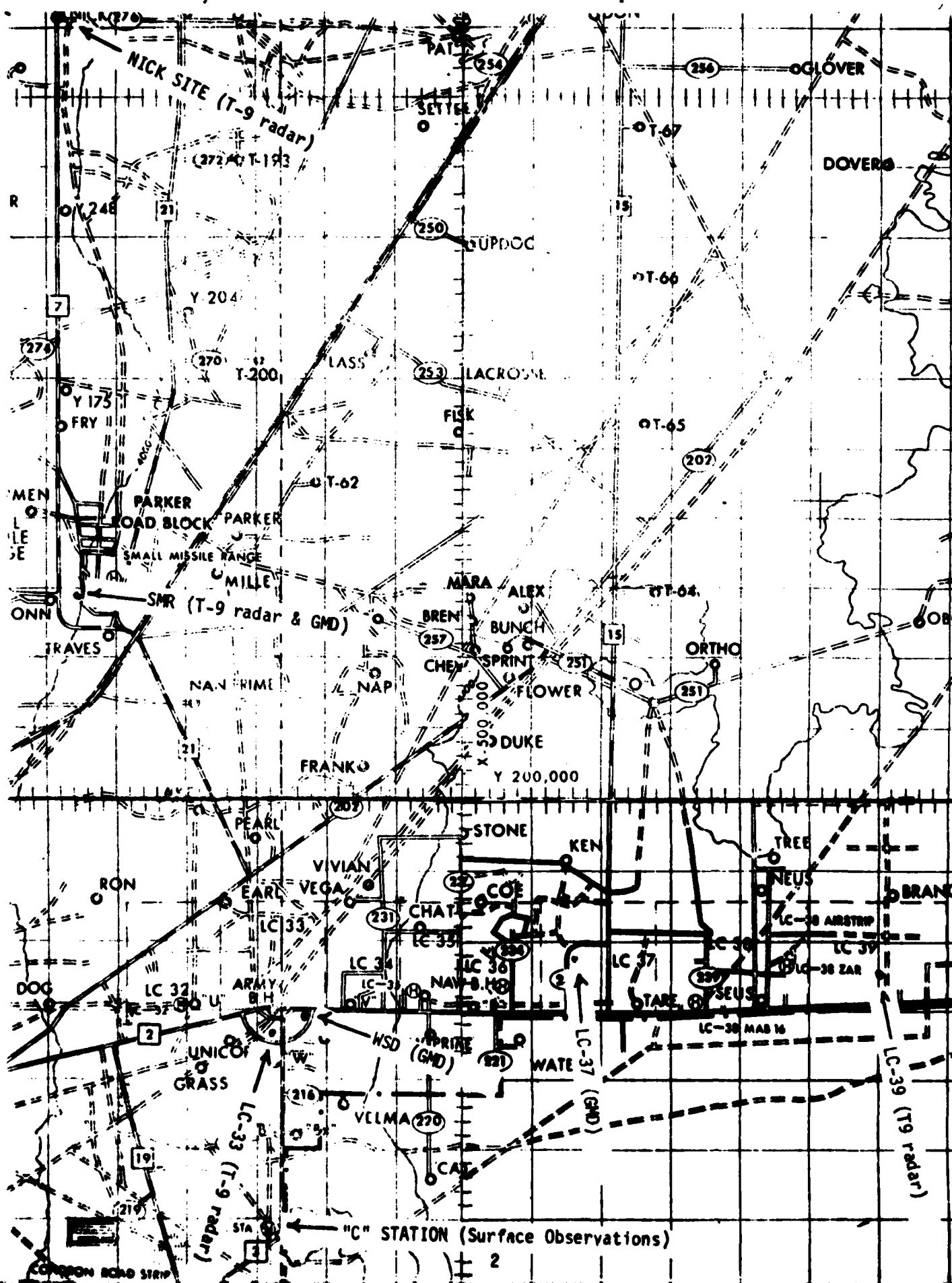


TABLE 1

SURFACE OBSERVATIONS OBTAINED FROM "C" STATION ON

13 February 1980

TIME MST	SKY CONDITIONS	PVLC VSBY	WEATHER AND OBSTRUCTION TO VISION	SEA PRESS IN HG	TEMP F	DEW POINT F	DRCT IN	SPEED
0058	120SCT250SCT	20		25.950	24	29	160	10
0158	120SCTE250BKN	20		25.950	32	27	E100	06
0258	120SCT250SCT	20		25.950	34	29	010	05
0358	120SCT250SCT	20		25.930	32	25	E130	07
0458	120SCT250SCT	20		25.940	30	26	E100	03
0558	120SCTE250BKN	20		25.940	31	25	010	03
0658	60SCT120SCTE250BKN	30		25.960	32	24	020	03
0758	E60BKN120BKN250BKN	50		25.990	34	30	340	03
0858	E60BKN1203KN	50		25.995	41	33	090	04
0958	60SCTE120BKN250BKN	50		26.005	49	34	340	03
1058	120SCT250SCT	50		25.990	55	37	360	05
1158	65SCT120SCT250SCT	50		25.960	60	38	150	04
1258	65SCT120SCTE250BKN	50		25.935	60	37	270	04
1358	65SCT120SCTE250BKN	50		25.900	65	38	210	08
1458	65SCTE120BKN250BKN	50		25.885	66	36	210	08
1558	65SCTE120BKN250BKN	50		25.830	65	37	210	08
1658	65SCTE120BKN250BKN	50		25.880	62	36	200	08
1758	E120BKN250BKN	30		25.890	57	38	150	07
1858	E120BKN250BKN	20		25.905	56	37	160	06
1958	E1200VC	20		25.920	55	42	340	04
2058	E1200VC	20	L-	25.935	53	44	110	05
2158	E1200VC	20	L-	25.935	51	44	E120	05
2258	E1200VC	20		25.925	53	43	E120	05
2358	E600VC	20	RW-	25.925	52	45	150	08

PILOT BALLOON MEASURED WIND DATA

TABLE 2

RELEASED FROM NICK DATE 13 February 1980 TIME 1500 MST

TRACKER COORDINATES (WSTM) X= 470,734.56 Y= 255,755.64 H= 4126.57

NOTE: WIND DIRECTIONS ARE REFERENCED TO TRUE NORTH

HEIGHTS ARE METERS AGL X OR FEET AGL .

[illegible][illegible][illegible]

PILOT BALLOON MEASURED WIND DATA

TABLE 3

RELEASED FROM LC-39 DATE 13 February 1980 TIME 1515 MST

TRACKER COORDINATES (WSTM) X= 530,938.82 Y= 186,564.96 H= 4063.75

NOTE: WIND DIRECTIONS ARE REFERENCED TO TRUE NORTH

HEIGHTS ARE METERS AGL X OR FEET AGL .

[illegible][illegible][illegible]

STATION ALTITUDE 4047.27 FEET MSL
13 FEB. 80 1400 HRS MST
ASCENSION NO. 10

SIGNIFICANT LEVEL DATA
0440180010
LC-37

GEODETIC COORDINATES
32.41141 LAT DEG
106.30852 LONG DEG

TABLE 4

PRESSURE	GEOMETRIC ALTITUDE MILLIBARS MSL FELT	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	R.L. HUM. PERCENT
875.4	4047.3	17.7	51.0
869.0	4252.0	14.5	39.0
850.0	4863.2	12.5	43.0
798.2	6587.3	7.4	55.0
756.0	8753.8	1.7	73.0
700.0	10074.6	-2.0	88.0
621.8	13137.9	-8.2	98.0
612.6	13513.1	-8.9	41.0
603.6	13987.4	-7.7	43.0
586.2	14641.8	-9.3	51.0
580.8	15764.5	-11.0	59.0
544.4	16511.8	-12.7	42.0
520.4	17633.7	-14.9	51.0
500.0	18636.0	-17.0	48.0
459.8	20682.9	-21.0	37.0
438.6	21822.7	-24.2	53.0
409.5	23454.0	-29.1	79.0
400.0	24005.8	-29.4	64.0
391.6	24503.4	-30.5	57.0
385.4	24975.9	-31.6	57.0
348.4	27190.5	-37.7	54.0
331.0	28351.5	-40.9	59.0
300.0	30525.2	-46.9	
266.8	33049.8	-53.0	

STATION ALTITUDE 4047.27 FEET MSL
 15 FEB. 60
 ASCENSION NO. 10

UPPER AIR DATA
 044010010
 LC-37

GEOMETRIC COORDINATES
 32.41141 LAT DEG
 106.50852 LONG DEG

TABLE 5

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CM ³ METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES (T)	SPEED KNOTS	
4047.3	875.4	17.7	31.0	1045.7	615.3	300.0	1.0	1.000201
4500.0	861.2	13.7	40.6	1043.1	610.7	249.5	1.4	1.000202
5000.0	845.8	12.1	44.0	1038.0	608.9	231.1	2.5	1.000203
5500.0	830.4	10.6	47.5	1016.7	607.2	222.0	3.7	1.000205
6000.0	815.3	9.1	50.9	1003.5	605.4	210.2	5.1	1.000202
6500.0	800.6	7.6	54.4	990.5	603.7	215.5	6.6	1.000244
7000.0	785.8	6.3	58.5	976.9	602.1	219.7	7.5	1.000205
7500.0	771.3	5.0	62.6	963.4	600.6	223.7	8.2	1.000201
8000.0	757.0	3.7	66.8	950.1	609.0	227.7	8.8	1.000258
8500.0	743.0	2.4	70.9	937.0	607.3	233.0	10.7	1.000204
9000.0	729.2	1.0	75.8	924.1	605.9	237.1	13.1	1.000201
9500.0	715.4	-.4	81.5	911.4	604.2	242.7	15.2	1.000200
10000.0	702.0	-1.8	87.2	898.9	602.0	247.2	17.3	1.000224
10500.0	688.8	-2.9	89.4	885.3	601.3	251.7	20.3	1.000220
11000.0	675.4	-3.9	91.0	871.7	600.0	254.9	23.5	1.000210
11500.0	662.5	-4.9	92.7	858.3	608.8	258.0	26.1	1.000212
12000.0	649.8	-5.9	94.3	845.2	607.6	258.8	28.3	1.000203
12500.0	637.3	-6.9	95.9	832.2	606.3	257.5	29.6	1.000214
13000.0	625.1	-7.9	97.5	819.4	605.1	250.1	30.7	1.000210
13500.0	613.0	-8.9	98.7	807.4	603.6	252.9	31.2	1.000167
14000.0	601.1	-7.9	99.2	794.9	604.7	243.5	31.2	1.000164
14500.0	589.5	-9.0	99.5	782.6	603.5	240.5	32.1	1.000171
15000.0	578.0	-9.8	97.2	769.0	602.4	248.0	30.8	1.000170
15500.0	566.7	-10.6	91.8	751.3	601.3	253.0	28.5	1.000174
16000.0	555.0	-11.5	59.9	739.3	600.3	260.0	26.3	1.000170
16500.0	544.7	-12.7	42.0	727.9	609.0	262.7	26.6	1.000169
17000.0	533.9	-13.7	45.9	716.2	607.8	262.0	28.8	1.000165
17500.0	523.3	-14.6	49.9	704.7	606.0	260.3	29.0	1.000163
18000.0	512.9	-15.7	44.9	693.4	605.3	258.3	33.0	1.000160
18500.0	502.0	-16.7	48.4	682.4	604.0	257.0	34.0	1.000167
19000.0	492.3	-17.7	46.0	671.3	602.8	257.3	34.4	1.000154
19500.0	482.8	-18.7	43.3	660.3	601.6	250.9	34.6	1.000151
20000.0	472.8	-19.7	40.7	649.5	600.4	250.4	35.1	1.000149
20500.0	463.2	-20.6	38.0	638.9	619.2	250.7	35.5	1.000145
21000.0	453.8	-21.9	41.5	629.0	617.6	253.3	36.1	1.000143
21500.0	444.3	-23.3	48.5	619.5	615.9	260.3	36.6	1.000141
22000.0	435.3	-24.7	55.8	610.3	614.1	263.1	38.0	1.000139
22500.0	426.3	-26.2	63.8	601.2	612.3	264.3	40.1	1.000137
23000.0	417.4	-27.7	71.8	592.3	610.4	264.1	43.7	1.000135
23500.0	408.7	-29.1	77.7	583.2	608.7	263.0	45.6	1.000133

STATION ALTITUDE 4047.27 FEET MSL
15 FEB. 80
ASCENSION NO. 10

UPPER AIR DATA
0440180010
LC-37

GEODETTIC COORDINATES
32.41141 LAT N
100.30052 LONG W

TABLE 5 (CONT)

GEOME INCL ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GRAMS PER CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES (T)	SPEED KNOTS	INDEX OF REFRACTION
24000.0	400.1	-29.4	64.2	571.6	600.3	201.0	47.5	1.000124
24500.0	391.7	-30.5	57.0	562.1	600.9	202.3	45.6	1.000127
25000.0	383.5	-31.9	55.8	553.5	605.1	203.1	43.9	1.000125
25500.0	375.1	-33.2	50.8	544.5	603.5	204.0	43.2	1.000123
26000.0	367.0	-34.6	45.9	535.0	601.0	200.2	42.6	1.000120
26500.0	359.1	-35.9	40.9	527.2	600.1	207.0	42.9	1.000118
27000.0	351.4	-37.2	35.9	518.7	598.5	203.0	42.6	1.000116
27500.0	343.7	-38.5	35.3	510.4	590.7	270.0	41.0	1.000114
28000.0	336.2	-39.9	37.5	502.1	595.0	203.6	42.4	1.000112
28500.0	328.6	-41.3	36.3**	494.0	593.2	207.2	43.3	1.000110
29000.0	321.4	-42.7	27.4**	485.9	591.4	203.9	44.7	1.000108
29500.0	314.2	-44.1	18.4**	477.9	589.0	204.2	45.7	1.000107
30000.0	307.2	-45.5	9.4**	470.0	587.9	201.7	46.3	1.000105
30500.0	300.5	-46.8	5.4**	462.3	586.1	253.4	46.2	1.000103
31000.0	293.5	-48.0		454.1	584.5	257.2	45.7	1.000101
31500.0	286.7	-49.3		446.1	582.9	253.4	45.5	1.000099
32000.0	280.1	-50.5		438.2	581.4			1.000098
32500.0	273.7	-51.7		430.5	579.8			1.000096
33000.0	267.4	-52.9		422.9	578.2			1.000094

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4047.27 FEET MSL
13 FEB. 60
ASCENSION NO. 10

MANDATORY LEVELS
0440160010
LC-37

GEODETIC COORDINATES
32.41141 LAT DEG
106.30852 LON DEG

TABLE 6

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUMID. PERCENT	WIND DATA	
MILLIBARS	FEET	AIR DEGREES	DEWPOINT CENTIGRADE		DIRECTION DEGREES (TH)	SPEED KNOTS
850.0	4860.	12.5	.3	43.	233.6	6.2
800.0	6514.	7.6	-1.0	55.	215.7	6.8
750.0	8246.	3.0	-2.1	59.	230.1	9.5
700.0	10065.	-2.0	-3.7	68.	247.8	17.7
650.0	11987.	-5.9	-6.6	94.	256.8	26.3
600.0	14032.	-8.0	-17.9	45.	246.1	31.3
550.0	16234.	-12.1	-22.6	41.	263.2	25.5
500.0	18604.	-17.0	-25.4	46.	257.3	34.1
450.0	21173.	-22.5	-31.3	44.	256.9	36.4
400.0	23966.	-29.4	-34.0	64.	261.8	47.5
350.0	27044.	-37.4	-47.1	55.	269.2	42.5
300.0	30466.	-46.9			259.4	40.2

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4047.27 FEET MSL
15 FEB. 80 1600 HRS MSL
ASCENSION NO. 11

SIGNIFICANT LEVEL DATA
0440120011
LC-37

GEODETTIC COORDINATES
32.41141 LAT DEG
106.30452 LONG DEG

TABLE 7

PRESSURE MILLIBARS	GEO-ETHIC ALTITUDE MSL FEET	TEMPERATURE		REL. HUM. PERCENT
		AIR DEGREES	DEWPOINT CENTIGRADE	
674.8	4047.3	17.3	1.7	35.0
850.0	4847.6	13.4	.4	41.0
770.2	7535.6	5.6	-2.0	58.0
721.6	9272.9	.6	-1.9	83.0
700.0	10072.2	-1.8	-2.5	95.0
647.2	12110.3	-5.6	-6.7	93.0
629.0	12040.0	-5.6	-13.0	53.0
602.4	13055.4	-7.9	-17.0	48.0
567.8	15457.2	-11.5	-20.3	48.0
542.4	16607.8	-13.1	-17.4	70.0
517.4	17781.6	-15.4	-19.9	68.0
500.0	16631.7	-17.7	-20.7	77.0
485.2	19361.6	-19.2	-20.2	92.0
477.4	19765.7	-20.0	-22.7	79.0
461.8	20573.5	-21.9	-23.0	86.0
451.4	22212.3	-25.1	-30.4	81.0
400.0	24003.6	-29.4	-35.5	55.0
387.8	24723.4	-30.7	-40.5	38.0
374.0	25572.9	-32.6	-43.5	33.0
353.6	26862.8	-36.6	-45.0	47.0
333.6	28130.5	-40.2	-44.5	64.0
327.2	28614.5	-41.4	-45.9	61.0
300.0	30531.8	-46.7	-49.2	70.0
260.4	33573.8	-54.0		
250.0	34434.4	-54.5		
200.0	39165.7	-52.3		
174.8	42023.4	-53.4		

STATION ALTITUDE 4047.27 FEET MSL
13 FEB. 68 1600 HRS MSL
ADDITION NO. 11

UPPER AIR DATA
0440180011
LC-37

GEODETIC COORDINATES
32.41141 LAT N
106.30852 LONG W

TABLE 8

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUMIC METEN	SPEED OF SOUND KNOTS	WIND DATA DIRECTION, DEGREES (T)	SPEED KNOTS	INDEX OF REFRACTION
4047.3	674.8	17.3	35.0	1040.1	604.9	210.0	4.9	1.000264
4500.0	660.7	15.1	38.4	1037.2	602.4	215.0	6.0	1.000211
5000.0	645.3	13.0	42.0	1020.3	609.9	220.0	7.3	1.000213
5500.0	629.9	11.5	45.1	1012.8	630.2	222.9	8.7	1.000214
6000.0	614.8	10.1	48.3	999.5	650.5	225.1	10.0	1.000251
6500.0	600.0	8.6	51.5	986.5	654.6	229.1	10.4	1.000247
7000.0	585.3	7.2	54.6	973.0	653.1	234.2	10.5	1.000244
7500.0	571.2	5.7	57.8	961.0	651.4	239.4	9.9	1.000240
8000.0	556.9	4.3	64.7	947.9	649.7	242.6	8.7	1.000233
8500.0	542.8	2.8	71.9	935.1	648.1	245.9	8.4	1.000235
9000.0	529.0	1.4	79.1	922.5	646.4	246.6	8.8	1.000232
9500.0	515.4	-0.1	86.4	910.1	644.7	248.5	10.7	1.000229
10000.0	501.9	-1.6	93.9	897.9	642.9	248.0	13.4	1.000220
10500.0	488.6	-2.6	94.6	884.4	641.6	245.5	16.5	1.000212
11000.0	475.5	-3.6	94.1	870.9	640.4	244.0	19.0	1.000217
11500.0	462.0	-4.6	93.6	857.5	639.2	243.5	23.6	1.000212
12000.0	448.5	-5.5	93.1	844.4	637.9	238.9	24.7	1.000208
12500.0	435.7	-6.5	91.8	820.9	637.7	235.2	25.2	1.000200
13000.0	423.2	-7.9	52.3	814.1	637.2	235.5	24.8	1.000172
13500.0	411.3	-9.0	50.1	801.0	636.0	230.7	25.4	1.000136
14000.0	400.3	-10.1	48.0	789.3	634.7	241.3	26.5	1.000144
14500.0	389.0	-11.2	43.0	777.5	633.2	245.8	26.8	1.000141
15000.0	378.1	-12.4	44.0	765.0	631.8	250.1	27.1	1.000174
15500.0	368.0	-13.6	48.8	754.2	630.4	254.5	27.4	1.000175
16000.0	358.7	-14.7	58.4	741.3	629.0	257.8	28.0	1.000173
16500.0	349.9	-15.9	67.9	729.5	628.6	257.5	29.0	1.000171
17000.0	343.9	-17.1	69.3	716.7	627.6	253.9	29.4	1.000166
17500.0	338.4	-18.2	68.5	703.1	626.4	255.9	30.7	1.000165
18000.0	332.9	-19.3	70.3	689.2	625.0	258.3	31.6	1.000172
18500.0	328.7	-20.1	75.6	675.9	623.4	257.8	33.2	1.000153
19000.0	325.4	-20.6	84.5	663.1	622.0	257.0	34.7	1.000157
19500.0	322.0	-20.4	87.7	652.1	620.8	257.5	36.1	1.000154
20000.0	318.6	-21.0	81.0	641.0	619.4	258.0	36.2	1.000151
20500.0	315.2	-21.9	85.4	630.7	618.0	255.6	36.1	1.000168
21000.0	311.7	-23.3	79.5	620.7	616.7	253.5	36.2	1.000165
21500.0	308.7	-25.3	71.9	609.9	615.3	251.2	36.3	1.000162
22000.0	305.4	-27.3	64.2	600.9	614.2	248.4	36.2	1.000171
22500.0	302.2	-29.5	60.0	590.4	612.3	245.5	36.2	1.000150
23000.0	299.0	-31.2	58.4	580.4	611.3	240.1	36.1	1.000134
23500.0	295.8	-32.6	56.7	570.9	609.9	247.7	35.9	1.000132

STATION ALTITUDE 4047.27 FEET MSL
13 FEB. 60 1600 HRS MST
ASCENSION NO. 11

UPPER AIR DATA
0400120011
LC-37

GEODETIC COORDINATES
32.41141 LAT LEG
106.30452 LONG LEG

TABLE 8 (CONT)

GEODETIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CM ³	SPEED OF SOUND METER	WIND DATA DIRECTION DEGREES (T)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
24000.0	400.1	-29.4	55.0	571.0	000.3	250.0	37.9	1.000129
24500.0	391.0	-30.3	43.4	561.0	607.2	252.3	40.6	1.000120
25000.0	383.3	-31.3	36.4	552.1	605.9	253.1	42.5	1.000124
25500.0	375.2	-32.4	33.4	542.9	604.5	253.0	44.3	1.000122
26000.0	367.1	-33.9	37.6	534.5	602.0	253.4	46.3	1.000120
26500.0	359.2	-35.5	43.1	526.4	600.0	253.2	48.3	1.000118
27000.0	351.5	-37.0	48.6	518.3	598.7	251.9	49.5	1.000116
27500.0	343.8	-38.5	55.2	510.0	597.0	251.0	50.2	1.000114
28000.0	336.3	-39.7	61.7	501.7	595.3	250.0	49.0	1.000113
28500.0	328.9	-41.1	61.6	493.0	593.5	251.0	48.5	1.000111
29000.0	321.3	-42.5	62.6	484.5	591.7	251.5	48.7	1.000109
29500.0	314.3	-43.8	65.2	477.5	590.0	251.6	49.0	1.000107
30000.0	307.3	-45.2	67.5	469.7	588.2	251.9	49.3	1.000105
30500.0	300.4	-46.6	69.9	462.0	586.4	252.5	49.1	1.000103
31000.0	293.3	-47.8	59.2**	453.8	584.8	253.2	48.9	1.000101
31500.0	286.8	-49.0	47.7**	445.7	583.2	253.5	46.5	1.000100
32000.0	280.2	-50.2	36.2**	437.0	581.7	253.9	43.0	1.000098
32500.0	273.7	-51.4	29.7**	430.1	580.1	251.8	43.8	1.000096
33000.0	267.4	-52.6	13.2**	422.5	578.5	249.0	44.2	1.000094
33500.0	261.3	-53.8	1.7**	415.0	577.0	249.3	46.8	1.000092
34000.0	255.2	-54.2		406.1	576.4	249.7	49.4	1.000090
34500.0	249.2	-54.5		397.0	575.1	252.3	52.2	1.000088
35000.0	243.4	-54.2		387.4	574.4	254.0	55.2	1.000086
35500.0	237.7	-54.0		377.9	573.7	257.3	58.8	1.000084
36000.0	232.2	-53.8		368.7	573.0	259.1	62.5	1.000082
36500.0	226.8	-53.5		359.0	572.3	257.0	60.1	1.000080
37000.0	221.3	-53.1		351.0	571.6	250.4	69.4	1.000078
37500.0	216.3	-52.8		342.3	570.9	254.3	71.6	1.000076
38000.0	211.3	-52.8		334.1	570.2	253.0	73.1	1.000074
38500.0	206.4	-52.6		326.0	570.5	252.0	73.4	1.000073
39000.0	201.6	-52.4		318.7	570.9	252.4	74.3	1.000071
39500.0	196.9	-52.4		303.8	570.5	251.0	75.7	1.000069
40000.0	192.3	-52.0		297.0	570.3	251.4	75.7	1.000068
40500.0	187.8	-52.8		290.3	570.0			1.000066
41000.0	183.3	-53.0		283.8	570.0			1.000065
41500.0	179.2	-53.2		277.5	570.0			1.000064
42000.0	175.0	-53.4						1.000062

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4047.27 FEET MSL
13 FEB. 80 1600 HRS MST
ASCENSION NO. 11

MANDATORY LEVELS
0440180011
LC-37

GEODETIC COORDINATES
32.41141 LAT DEG
106.30452 LON DEG

TABLE 9

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUM. PERCENT	WIND DATA	
MILLIBARS	FEET	AIR DEGREES	DEWPOINT CENTIGRADE		DIRECTION DEGREES(TN)	SPEED KNOTS
850.0	4844.	13.4	.4	41.	218.9	6.9
800.0	6504.	8.6	-0.8	51.	229.2	10.4
750.0	8240.	3.6	-1.7	68.	245.4	8.2
700.0	10062.	-1.8	-2.5	95.	245.9	13.8
650.0	11986.	-5.6	-6.5	93.	239.0	24.7
600.0	14041.	-8.1	-17.2	48.	241.8	20.7
550.0	16238.	-12.6	-18.1	63.	257.7	28.5
500.0	18606.	-17.7	-20.7	77.	258.1	33.6
450.0	21167.	-23.1	-26.1	70.	252.0	30.2
400.0	23964.	-29.4	-35.5	55.	250.0	37.8
350.0	27047.	-37.2	-43.8	50.	251.8	49.7
300.0	30472.	-46.7	-49.8	70.	252.3	49.1
250.0	34361.	-54.5			251.9	51.7
200.0	39073.	-52.3			252.2	74.7
175.0	41900.	-53.4				

EN

DA

FILM

9-